

12-08-05 18:42 From-Thelen, Reid, & Priest LLP

T-749 P.002/010 F-040

Thelen Reid & Priest LLP

Attorneys At Law

225 West Santa Clara Street, Suite 1100
San Jose, CA 95113 USA

Tel: 408.267.3100

Fax: 408.267.3126

www.thelenreid.com

Khaled Shami
Direct Line: (408) 287-1855
Direct Fax: (408) 287-8040
kshami@thelenreid.com

December 2, 2005

VIA FAX 571-273-6500

Refunds Branch
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Request for Refund
United States Patent Application No. 10/519,015
Claims Priority Based On: PCT/FR03/01963
Applicant: Pascal Leclerc
Title: "AUTOMATIC CENTERING DEVICES FOR A LASER BEAM AND
METHOD FOR MANUFACTURING THIS DEVICE"
Filed: December 21, 2004
TRP Docket No.: 034299-613

Dear Sirs:

In regard to the above referenced U.S. PCT application, Check Nos. 316845 & 316849 in the amounts of \$1000 and \$40 (copies enclosed), were deposited on January 5, 2005, for filing an Application, Assignment and Recordation cover sheet. The amount represented a filing fee of \$1000 and an Assignment fee of \$40.00 totaling \$1040.00.

A multiple dependent claim fee in the amount of \$260 was incorrectly withdrawn from our deposit account (copy of the claims attached) when in fact no fee was due as the application contains no multiple dependent claims.

It is respectfully requested that the \$260.00 be reversed to our Deposit Account No. 50-1698 as soon as possible.

Sincerely,

Khaled Shami

KS/tr

Adjustment Date: 01/01/2006 RWHITE1
06/20/2005 SAHMED1 00000002 501698 10519015
02 FC:1616 20.00 CR -100.00 OP

SV #228954 v1

Rec'd. Ref#: 01/31/2006 RWHITE1 001126390
File#501698 Name/Number: 10519015
FC: 1616

3100-00 (1)

12-08-05 18:42 From-Thelen, Reid, & Priest LLP

T-748 P.001/010 F-040

Thelen Reid & Priest LLP

Attorneys At Law

225 West Santa Clara Street, Suite 1200
San Jose, CA 95113-1723

Tel. 408.292.5800

Fax 408.287.8040

www.thelenreid.com

F A X C O V E R P A G E

Date: December 8, 2005

Total Pages: 10
(including cover)

To: Refunds Branch,
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Fax: 1.571.273.6500
Phone:

From: Ruth O. Rodriguez

Fax: 408.278.8203
Phone: 408.282.1803
E-Mail: rrodriguez@thelenreid.com

VIA FAX ONLY

Serial No.: 10/519,015
TRP Docket No.: 034299-613

Please find the attached request for refund for the above referenced matter.

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San Jose, CA 95113-4723

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Jeffrey J. Thelen

CLAIMS

1. Device for automatically centring a laser beam in a light guide (32), this device being characterised in that it comprises a volume scatterer (2) comprising an entry face for the laser beam and designed to scatter this laser beam and automatically centre it in the light guide.

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2. Device for automatically centring a laser beam in a monomode or multimode optical fibre (32), this device being characterised in that it comprises a volume scatterer (2) comprising an entry face for the laser beam and designed to scatter this laser beam and automatically centre it in the optical fibre.

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3. Device according to claim 1, in which the thickness (L) of the volume scatterer (2) is equal to at least 100 times the wavelength of the laser beam.

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4. Device according to claim 1, in which the volume scatterer (2) is made of polytetrafluoroethylene.

5. Device according to claim 1, in which the volume scatterer (2) is cylindrical.

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6. Device according to claim 1, in which the volume scatterer (2) comprises a side face and the device also comprises a light reflector (6, 14) that surrounds this side face.

7. Device according to claim 1, also comprising a lens (10) placed on the entry face of the volume scatterer (2) and designed to defocus the light beam on this entry face.

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8. Device according to claim 1, in which the volume scatterer (2) comprises a side face and the device also comprises a light reflector (14) that surrounds this side face, and is prolonged beyond the entry face and guides the light beam as far as this entry face.

9. Device according to claim 1, also comprising an auxiliary optical fibre (16) that is optically coupled to the entry face of the volume scatterer (2) and guides the light beam as far as this entry face.
- 5 10. Method of manufacturing the device according to claim 1, in which a tubular light guide (6) is manufactured and the volume scatterer (2) is made from a material (34) capable of scattering light, using the tubular light guide as a cutting punch.
- 10 11. Device according to claim 2, in which the thickness (L) of the volume scatterer (2) is equal to at least 100 times the wavelength of the laser beam.
12. Device according to claim 2, in which the volume scatterer (2) is made of polytetrafluoroethylene.
- 15 13. Device according to claim 2, in which the volume scatterer (2) is cylindrical.
14. Device according to claim 2, in which the volume scatterer (2) comprises a side face and the device also comprises a light reflector (6, 14) that surrounds this side face.
- 20 15. Device according to claim 2, also comprising a lens (10) placed on the entry face of the volume scatterer (2) and designed to defocus the light beam on this entry face.
- 25 16. Device according to claim 2, in which the volume scatterer (2) comprises a side face and the device also comprises a light reflector (14) that surrounds this side face, and is prolonged beyond the entry face and guides the light beam as far as this entry face.
17. Device according to claim 2, also comprising an auxiliary optical fibre (16) that is optically coupled to the entry face of the volume scatterer (2) and guides the light beam as far as this entry face.

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Express Mail No. EV310 859 8613

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Docket No. 034109-613

18. Method of manufacturing the device according to claim 2, in which a tubular light guide (6) is manufactured and the volume scatterer (2) is made from a material (34) capable of scattering light, using the tubular light guide as a cutting punch.



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Requested Statement Month: June 2005
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Attention: CATHY ELCHINOFF
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City: SAN JOSE
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Zip: 95113-1723
Country: UNITED STATES OF AMERICA

DATE	SEQ	POSTING REF	ATTORNEY DOCKET NBR	FEES CODE	AMT	BAL
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12-08-05	18:46	Frost-Thalen, Reid, & Priest LLP	T-749	P.010/010	F-040
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